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MANUFACTURE OF INSTRUMENTS FOR INDUSTRIAL,
 LABORATORY, AND FIELD USE

INSTRUMENT FOR LUMINESCENCE ANALYSIS -- Leningradskaya Pravda. 18 Apr 52

Luminescence analysis is used today to detect imperfections on the surfaces of metallic and nonmetallic parts and articles. By exposing materials to ultra-violet rays, it is possible to see fissures in metals, ceramics, plastics, and other materials.

Many machine and instrument building plants value the luminescence analysis method for its simplicity.

The Leningrad Krasnogvardeyets Plant started to produce the Lyum-1 instrument, a simple and inexpensive apparatus for luminescence analysis. This type of instrument can be widely used at checking points and in laboratories of many production enterprises.

However, the Main Administration of the Medical Instruments Industry, which has jurisdiction over the Krasnogvardeyets Plant, took the Lyum-1 instrument off the plant's production plan on the pretext that the enterprise was not set up to produce products of this kind. Such an objection is absurd, since it is impossible to construct a new specialized enterprise every time new instruments are developed.

The Krasnogvardeyets Plant should increase production of this instrument, so vital to the national economy.

MAKRS LABORATORY EQUIPMENT FOR SCHOOLS -- Leningradskaya Pravda, 22 Apr 52

The Leningrad Elektrodelo Plant No 10 is producing spectrum tubes, high-frequency transformers, high-voltage inductors, calorimeters, soda rectifiers, and other instruments for use in physics laboratories of schools and institutes.

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Labor productivity in the plant has been increased by the installation of new highly productive machinery and conveyers.

Moscow State University has placed an order with the plant for a new product, an instrument which will demonstrate the thermal effects of cathode rays.

The plant laboratory is designing modern drying cabinets and thermostats which will use 40 percent less electric power [than previous models].

BOOST OUTPUT OF ELECTRICAL MEASURING INSTRUMENTS -- Moscow, Moskovskaya Pravda, 16 Apr 52

In the postwar period, when it became necessary to increase the production of electrical measuring instruments, the construction of two or three new enterprises was proposed. However, the Moscow Instruments Plant eliminated the need for new enterprises by improving production methods, increasing output, and fully meeting the needs of the national economy for voltmeters, ammeters, and other measuring instruments.

INSTRUMENT FOR CHECKING PISTON RINGS -- Moscow, Pravda. 30 Apr 52

The Moscow Kalibr Plant has built ten original control and measuring instruments, one of which is an automatic instrument for checking the elasticity of piston rings. The instrument is reliable and accurate, and tests 2,400 rings an hour.

SHIP'S PRECISION INSTRUMENTS -- Moscow, Komsomol'skaya Pravda. 26 Apr 52

The Kiev Precision Electrical Instruments Plant has shipped ahead of schedule the final consignment of precision instruments to USSR projects.

DEVELOP PROTECTIVE DEVICES -- Moscow, Trud, 8 Apr 52

Among the many new devices built for protection against dust and vapors are the F-45 and F-46 respirators. The F-46 respirator is fitted with a comfortable rubber half mask which does not inconvenience the worker. The PRB-1 respirator is very effective against fine dust. The ShF-2 respirator not only protects the worker's respiratory organs, but also his face.

The Moscow Labor Safety Institute of the All-Union Central Council of Trade Unions has developed an instrument for indicating the efficiency of individual protective devices. This instrument determines whether or not the protective device is usable, and forestalls accidents.

STEREOSCOPIC MOTION-PICTURE THEATER IN LENINGRAD -- Leningradskaya Pravda, 20 Apr 52

The All-Union Scientific Research Cinematographic Institute and the Leningrad Institute of Cinema Engineers have improved three-dimensional cinema projection, and are now equipping a stereoscopic motion-picture theater in Leningrad. The Moscow Kinap Plant is supplying the optical equipment and making necessary changes in the projection equipment of the new theater.

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BUILD PHOTO ENLARGERS -- Leningradskaya Pravda, 25 Apr 52

The Industrial Combine of the Dzezhinskiy Rayon Soviet [in Leningrad?] is producing the "Leningrad" photo enlarge. for use with negatives from FED, Zorkiy, and Kiev cameras. More than 1,000 enlargers will be made in 1952.

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